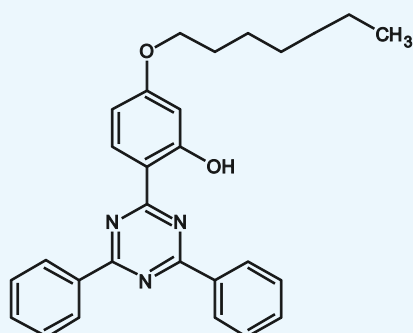




APPOLO-1577 (GRANULES)

1. STRUCTURE



2. PRODUCT NAME & DETAILS

2-(2-Hydroxy-4-hexyloxyphenyl)-4,6-Bis(phenyl)-1,3,5-triazine (Appolo-1577 (Granules))

Product Code	: 010637
CAS No.	: 147315-50-2
HS Code	: 2933.69.90
Molecular formula	: $C_{27}H_{27}N_3O_2$
Molecular weight	: 425.00

3. REGULATORY INFORMATION

Chemical name	Common names and synonyms	CAS number	EC number
2-(4,6-Diphenyl-1,3,5-triazin-2-yl)-5-((hexyl)oxy)-phenol	2-(4,6-Diphenyl-1,3,5-triazin-2-yl)-5-((hexyl)oxy)-phenol	147315-50-2	411-380-6
European Inventory of Existing Commercial Chemical Substances (EINECS)		Not Listed	
EC Inventory		Listed	
United States Toxic Substances Control Act (TSCA) Inventory		Listed	
China Catalog of Hazardous chemicals 2015		Not Listed	
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)		Listed	
Korea Existing Chemicals List (KECL)		Listed	
Canadian Domestic Substance List (DSL)		Listed	
Canadian Non-Domestic Substance List (NDSL)		Not Listed	
Japanese Existing and New Chemical Substances Inventory (ENCS)		Listed	

4. SPECIFICATION

Physical Appearance	: Yellowish Granules
Solubility	: Clear Solution
Melting Point	: 148.0 to 150.0°C
Loss on Drying	: NMT 0.50%
Transmittance (%) 450 NM	: NLT 87.50%
Transmittance (%) 500 NM	: NLT 98.0%
Purity by HPLC	: NLT 98.5%

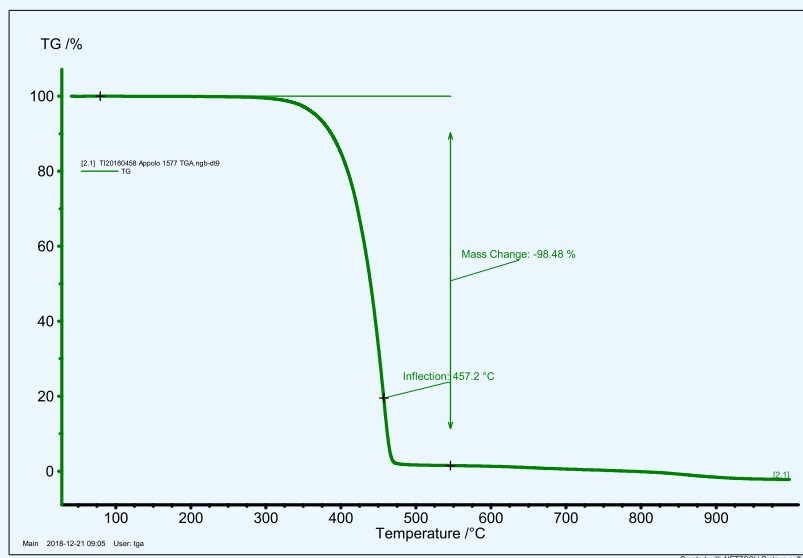
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APPOLO-1577 (GRANULES)

5. TGA CURVE



6. APPLICATION

- Appolo-1577 (Granules) is of high-temperature resistance, low volatility and low precipitation.
- Good compatibility with most polymers, additives and formulation resins.
- Appolo-1577 (Granules) applications include polyalkene terephthalates and naphthalates, linear and branched polycarbonates, modified polyphenylene ether compounds and various high-performance plastics.
- The use of Appolo-1577 (Granules) is indicated in polymer blends and alloys, such as PC/ABS, PC/PBT, PPE/IPS, PPE/PA and copolymers as well as in reinforced, filled and/or flame retarded compounds, which can be transparent, translucent and/or pigmented. Its very low tendency to chelate allows Appolo-1577 (Granules) formulations in polymers containing catalyst residues.
- Recommend dosage of Appolo-1577 (Granules): PS 0.2-0.5%, PC 0.15-0.3%, polyolefin 0.2-0.5%, Polyester 0.3-0.5%.

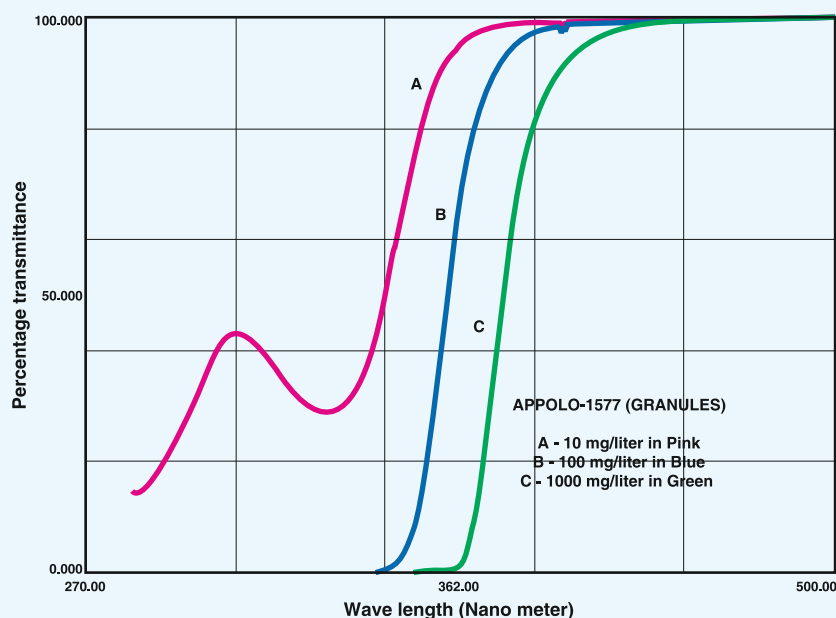
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APPOLO-1577 (GRANULES)

7. APPOLO-1577 (GRANULES) : SPECTRAL TRANSMISSION



8. FOOD APPROVAL STATUS (for plastic coming in contact with food)

CAS No. 147315-50-2 is registered by **European community** under Ref. no. 51700 and has a SLM=0.05 with no food restrictions.

In USA according to FDA 21 CFR part section 178.2010

1. At levels not to exceed 0.5 percent by weight of polycarbonate resins complying with § 177.1580 of this chapter.
2. At levels not to exceed 0.5 percent by weight of polyester elastomers complying with § 177.1590 of this chapter.
3. At levels not to exceed 0.5 percent by weight of polyethylene phthalate polymers complying with § 177.1630 of this chapter, in contact with food under conditions of use A through H described in Table 2 of § 176.170 (c) of this chapter.

9. HAZARD CLASSIFICATION : Non Hazardous material.



Irritant

10. ANNUAL CAPACITY : 100 MT.

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Sarex Overseas (A division of Sarex Organics Pvt. Ltd.)



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Web: www.sarex.com • **Email:** fchem@sarex.com

APPOLO-1577 (GRANULES)

11. STORAGE CONDITION : Stored in closed container at ambient temperature. Avoid direct sunlight.

12. PACKING DETAILS : Big Jumbo Bag : Bag Capacity 500 kg and Net Wt. 360 kg
1 Bag of 360 kg on One Pallet
20 kg Corrugated Box Pallet and Net Wt. 360 kg

13. SHELF LIFE : 3 years.

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